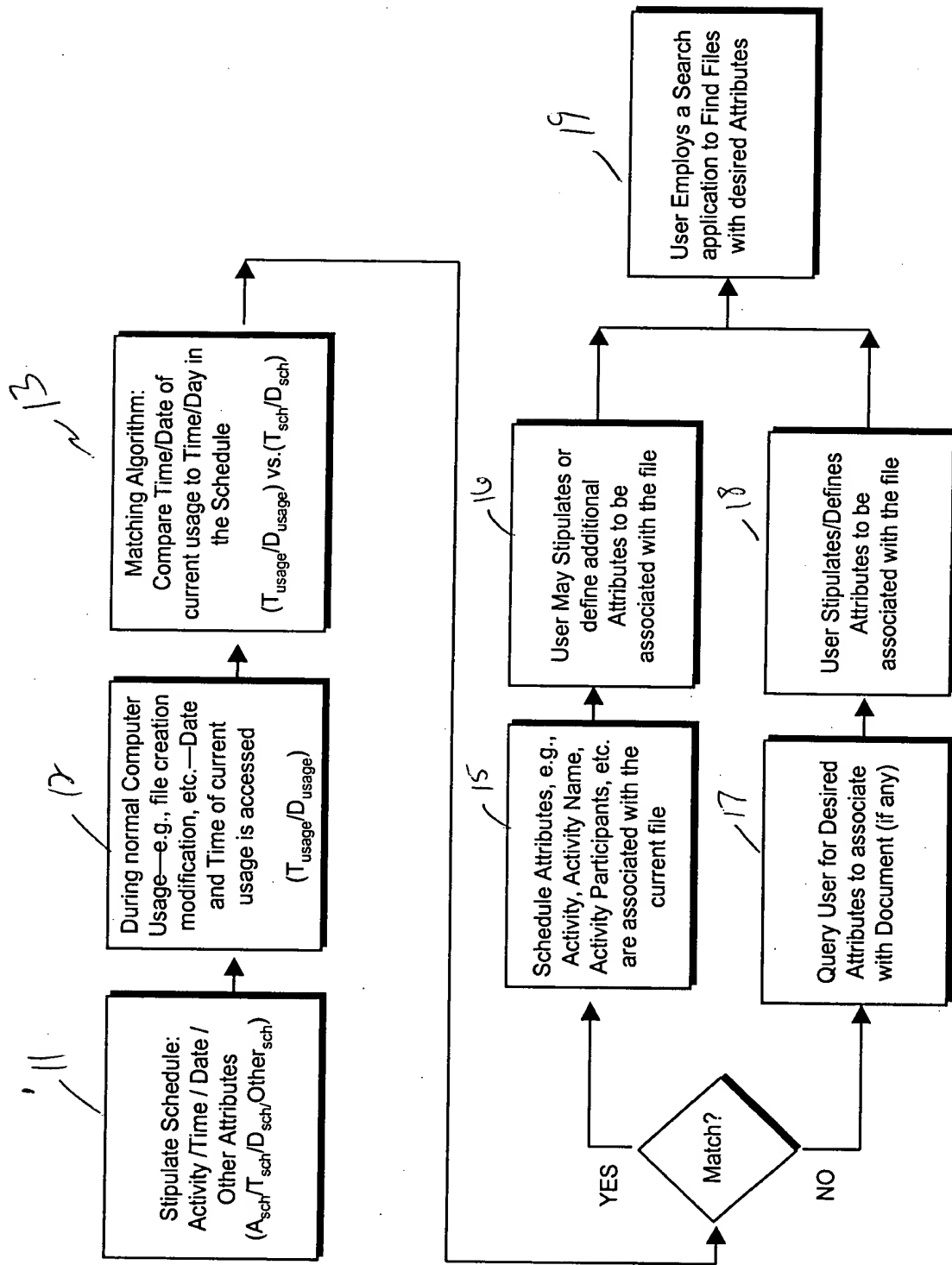


Fig. 1



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Fig. 2

SCHEDULE BUILDER				X								
<table border="1"><tr><td>COURSE NUMBER</td><td></td></tr><tr><td>CLASS NAME</td><td></td></tr><tr><td>PROFESSOR</td><td></td></tr><tr><td>LECTURE</td><td></td></tr></table>					COURSE NUMBER		CLASS NAME		PROFESSOR		LECTURE	
COURSE NUMBER												
CLASS NAME												
PROFESSOR												
LECTURE												
Lecture												
DAY	TIME	BUILDING	ROOM									
Recitation												
DAY	TIME	BUILDING	ROOM									
Lab												
DAY	TIME	BUILDING	ROOM									
<table border="1"><tr><td>SET AND ENTER NEXT CLASS</td><td>FINISH</td><td>CANCEL</td></tr></table>					SET AND ENTER NEXT CLASS	FINISH	CANCEL					
SET AND ENTER NEXT CLASS	FINISH	CANCEL										

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Fig. 3

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ACTIVITY A_{sch}	DAY(S) D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES				
		Start-Time: T_{sch1}	End-Time: T_{sch2}	PROFESSOR NAME	COURSE NUMBER	BUILDING NAME	ROOM NUMBER	ETC.
Physics	Monday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Wednesday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Friday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
Spanish	Tuesday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
	Thursday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
Etc.								

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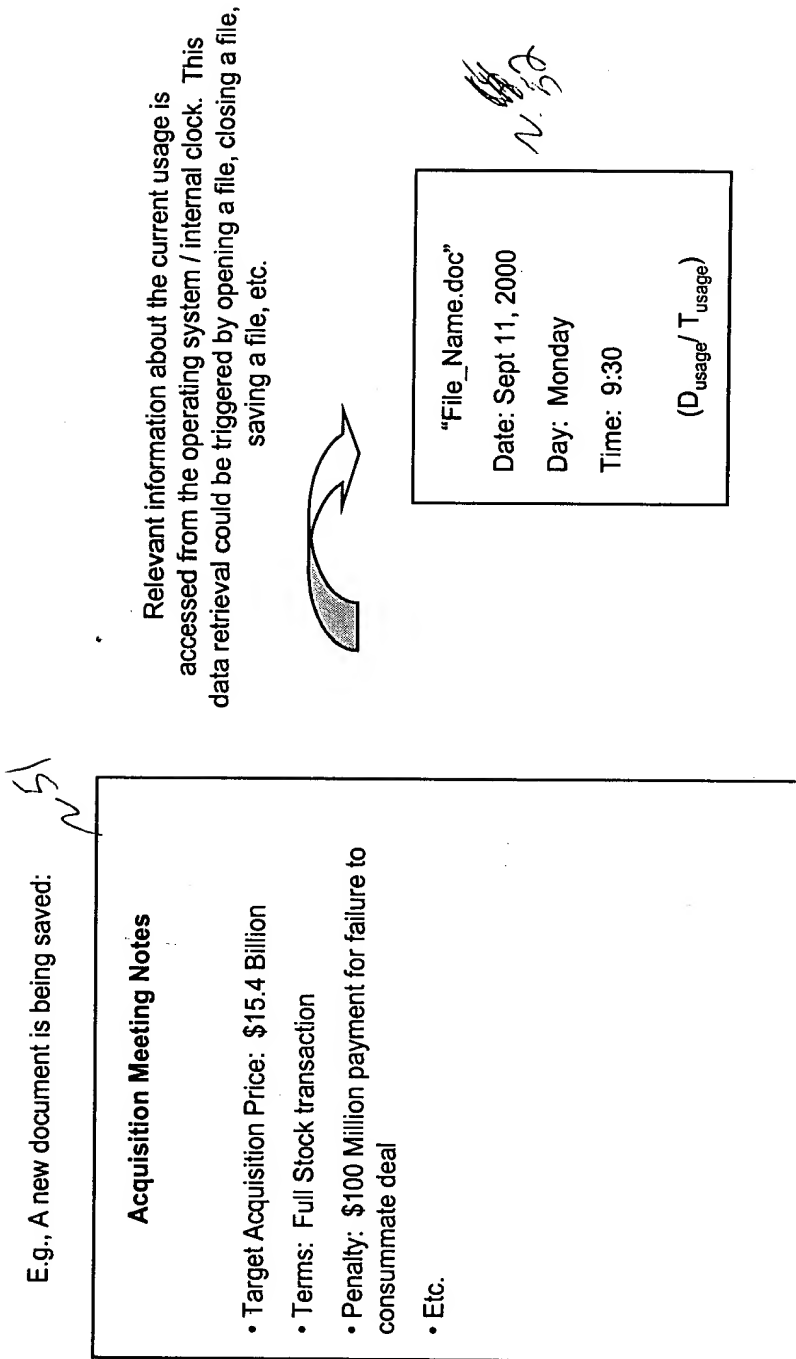
Fig. 4

Schedule for Steven Rogers:

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	MEETING CITY	MEETING BUILDING	PARTICIPANTS
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Westin Hotel	Steven Rogers, Jack Welsh
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	GE Building	Steven Rogers, John Davers, Diane Chang
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Royalton Hotel	Steven Rogers, Anne Miller

Fig. 5

During normal computer use, as documents are created/transferred/accessed/modified, etc., the time and date of usage is referenced.



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Fig. 6

The time/date information of the new document is then queried against the time/date data stipulated in the schedule with a matching algorithm:

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"File_Name.doc"

Date: Sept 11, 2000

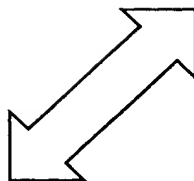
Day: Monday

Time: 9:30

(D_{usage}/T_{usage})

Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



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ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	

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Fig. 7

If the query returns a positive match, attributes from the schedule will be automatically associated to the file and stored in a searchable database:

"File_Name.doc"

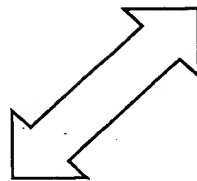
Date: Sept 11, 2000

Day: Monday

Time: 9:30

(D_{usage}/T_{usage})

Matching Algorithm to compare:
(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES	
		Start-Time: T _{sch1}	End-Time: T _{sch2}	LOCATION	PARTICIPANTS ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh

Matched: YES

Attributes from the schedule will be automatically associated to the file and stored

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Fig. 8

Attribute are associated with files, for example in an "Attribute Database"

Attribute Database

New attributes associated with the file:

FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition M	Pittsburgh	Jack Welsh	

Fig. 9

If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

“File_Name.doc”

Date: Sept 11, 2000

Day: Monday

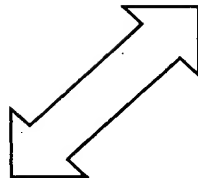
Time: 11:30

(D_{usage}/T_{usage})

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Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

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ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T _{sch1}	End-Time: T _{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	



Matched: NO

“Would you like to associate any attributes to “File_Name.doc?”

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NO: [no action]

Yes: “Please define attribute field and name”, e.g.

Field: “Subject” Name: “Discussion Follow-up”

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Fig. 10

Files are then searchable by attributes, as well as time/date information:

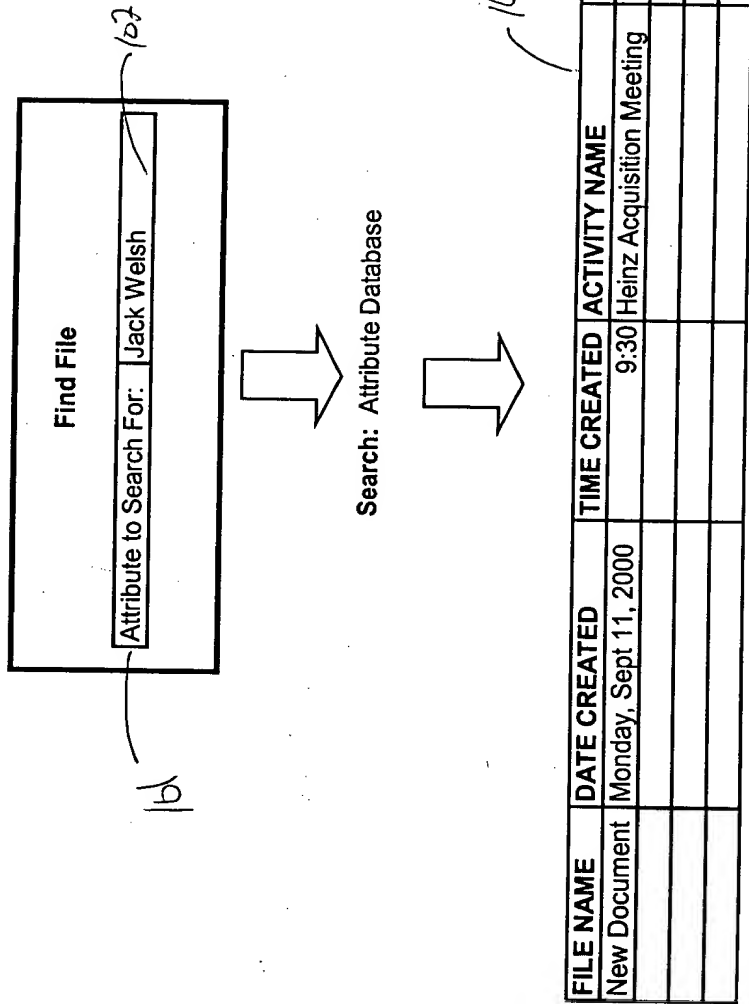


Fig. 11

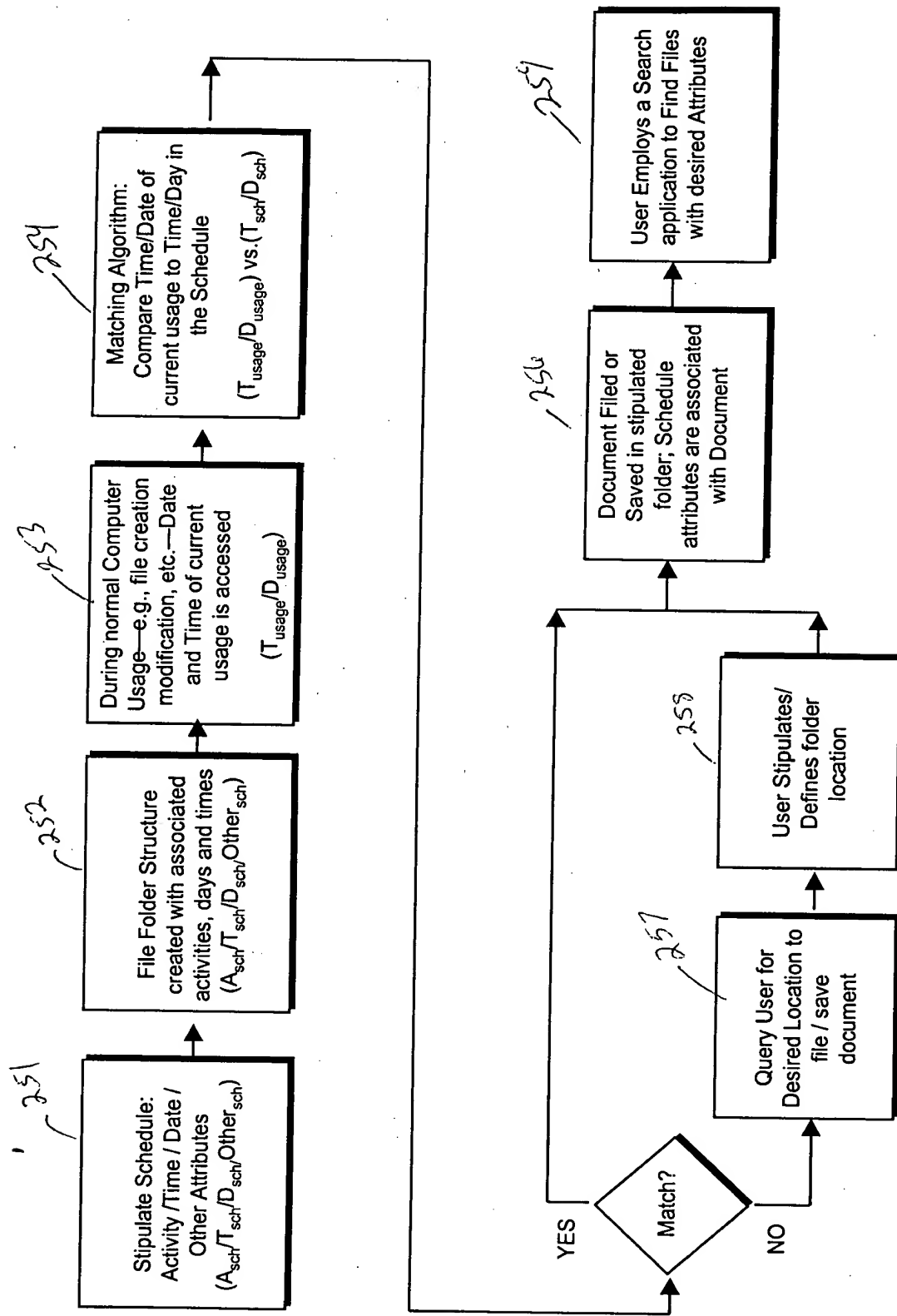


Fig. 12

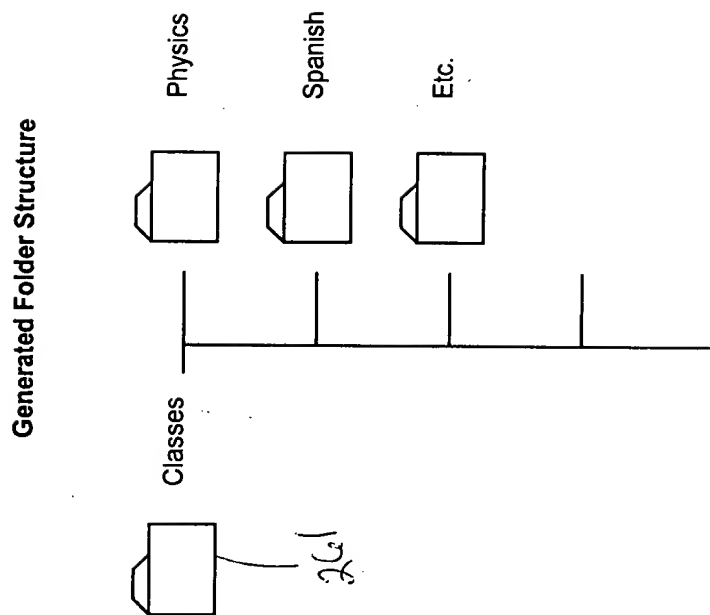
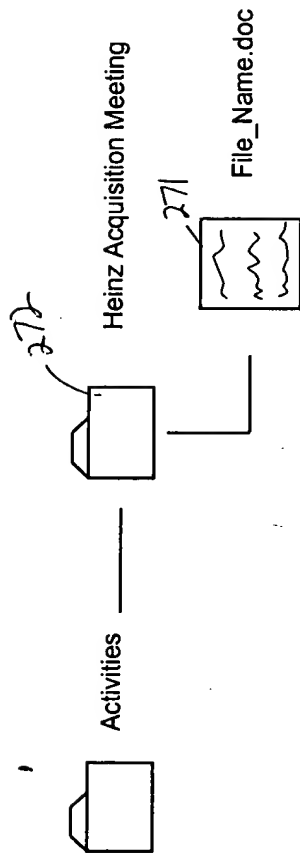


Fig. 13



New attributes associated with the file:

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FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition	M/Pittsburgh	Jack Welsh	

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Fig. 14

If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

"File_Name.doc"

Date: Sept 11, 2000

Day: Monday

Time: 11:30

(D_{usage} / T_{usage})

Matching Algorithm to compare:

(D_{usage} / T_{usage}) and (D_{sch} / T_{sch})

Schedule

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	

Matched: NO

"Where would you like to file/save 'File_Name.doc?'"

Cancel: [no action]

<User>: Save "File_Name.doc" in the "Miscellaneous Notes" folder, under the "Activities folder"